



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 6

Test Date: March 2009  
Code: 11191319  
SAU: Old Orchard Beach School Dept  
School: Loranger Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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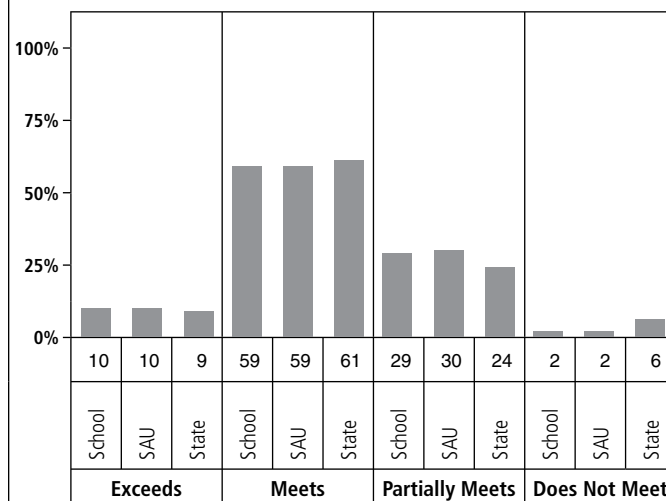
# SUMMARY OF SCORES

Test Date: March 2009  
 Grade: 6  
 SAU: Old Orchard Beach School Dept  
 School: Loranger Middle School

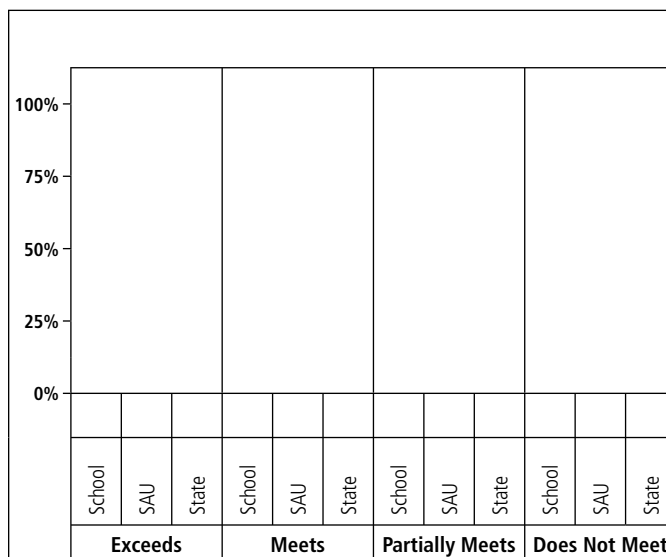
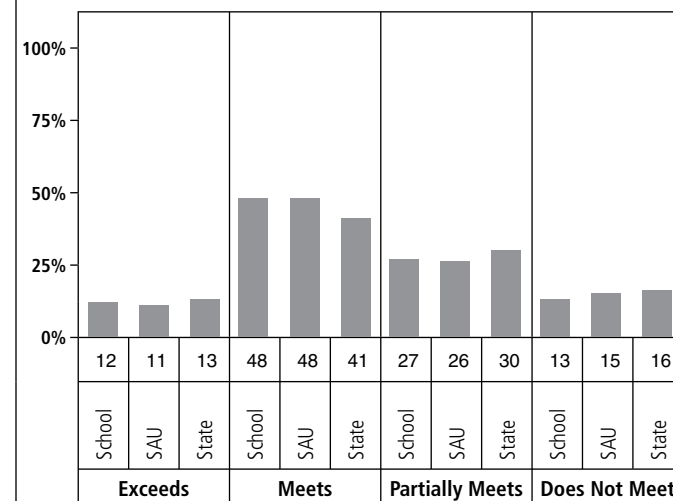
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	648	648	646
2007–2008	651	651	648
<b>2008–2009</b>	<b>648</b>	<b>648</b>	<b>647</b>
Cum. Avg.*	649	649	647
<b>Mathematics</b>			
2006–2007	647	647	643
2007–2008	639	639	642
<b>2008–2009</b>	<b>643</b>	<b>643</b>	<b>643</b>
Cum. Avg.*	643	643	643

## ELA – READING



## MATHEMATICS



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 6  
SAU: Old Orchard Beach School Dept  
School: Loranger Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Total number of students</b>	60	100	62	100	14251	100	59	98	61	98	14150	99	60	100	62	100	14156	100						
<b>Ethnicity</b> African American/Black	0	0	0	0	421	3	0	0	0	0	412	98	0	0	0	0	415	99						
American Indian or Native Alaskan	1	2	1	2	128	1	1	100	1	100	127	99	1	100	1	100	128	100						
Asian or Pacific Islander	0	0	0	0	212	1	0	0	0	0	210	99	0	0	0	0	212	100						
Hispanic	2	3	2	3	181	1	2	100	2	100	177	98	2	100	2	100	178	99						
Caucasian/White	57	95	59	95	13309	93	56	98	58	98	13224	100	57	100	59	100	13223	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
<b>Identified disability</b>	9	15	11	18	2468	17	9	100	11	100	2423	99	9	100	11	100	2426	99						
<b>Current LEP</b>	1	2	1	2	341	2	1	100	1	100	330	97	1	100	1	100	338	99						
<b>Economically disadvantaged</b>	29	48	31	50	5780	41	29	100	31	100	5724	99	29	100	31	100	5725	99						
<b>Migrant</b>	0	0	0	0	4	0	0	0	0	0	4	100	0	0	0	0	4	100						

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Participation without accommodations</b>	50	83	50	81	11369	80	52	87	52	84	11373	80						
Identified disability (PET/IEP)	2	4	2	4	355	3	2	4	2	4	371	3						
LEP	1	2	1	2	167	1	1	2	1	2	170	1						
504 plan	0	0	0	0	172	2	0	0	0	0	175	2						
<b>Participation with accommodations</b>	9	15	11	18	2594	18	8	13	10	16	2605	18						
Identified disability (PET/IEP)	7	78	9	82	1881	73	7	88	9	90	1877	72						
LEP	0	0	0	0	155	6	0	0	0	0	161	6						
504 plan	0	0	0	0	74	3	0	0	0	0	71	3						
Other	2	22	2	18	519	20	1	13	1	10	532	20						
<b>Participation through alternate assessment (PAAP)</b>	0	0	0	0	187	1	0	0	0	0	178	1						
Identified disability (PET/IEP)	0	0	0	0	187	100	0	0	0	0	178	100						
LEP	0	0	0	0	8	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	26	0	0	0	0	0	25	0						
<b>Non-participation – other</b>	1	2	1	2	75	1	0	0	0	0	70	0						

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 6  
SAU: Old Orchard Beach School Dept  
School: Loranger Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 662–680)	2006-2007	2	2	2	2	1132	8
	2007-2008	14	19	14	19	1817	13
	<b>2008-2009</b>	<b>6</b>	<b>10</b>	<b>6</b>	<b>10</b>	<b>1309</b>	<b>9</b>
	Cum. Total*	22	10	22	10	4258	10
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 642–660)	2006-2007	64	74	64	74	8127	57
	2007-2008	44	61	44	61	8072	57
	<b>2008-2009</b>	<b>35</b>	<b>59</b>	<b>36</b>	<b>59</b>	<b>8564</b>	<b>61</b>
	Cum. Total*	143	66	144	66	24763	59
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 630–640)	2006-2007	16	19	16	19	3549	25
	2007-2008	12	17	12	17	3194	23
	<b>2008-2009</b>	<b>17</b>	<b>29</b>	<b>18</b>	<b>30</b>	<b>3291</b>	<b>24</b>
	Cum. Total*	45	21	46	21	10034	24
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 600–628)	2006-2007	4	5	4	5	1478	10
	2007-2008	2	3	2	3	981	7
	<b>2008-2009</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>799</b>	<b>6</b>
	Cum. Total*	7	3	7	3	3258	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	34.5	61.6	34.1	60.9	33.8	60.4
A1/A2 Interconnected Elements/Literary Text	20	36	12.2	61.0	12.0	60.0	11.9	59.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	22.3	61.9	22.1	61.4	21.9	60.8

The MEA assesses students’ reading skills based on questions related to three types of reading passages: literary, informational, and persuasive. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 6  
 SAU: Old Orchard Beach School Dept  
 School: Loranger Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	59	6	10	35	59	17	29	1	2	648	61	10	59	30	2	648	13963	9	61	24	6	647
<b>Ethnicity</b>																						
African American/Black	0										0						403	5	46	34	15	641
American Indian or Native Alaskan	1										1						125	4	49	38	10	642
Asian or Pacific Islander	0										0						206	18	56	20	6	649
Hispanic	2										2						174	5	55	33	7	644
Caucasian/White	56	6	11	32	57	17	30	1	2	648	58	10	57	31	2	648	13055	9	62	23	5	647
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	9	1	11	1	11	6	67	1	11	640	11	9	18	64	9	639	2236	1	30	48	22	637
No	50	5	10	34	68	11	22	0	0	649	50	10	68	22	0	649	11727	11	67	19	3	649
<b>Current LEP</b>																						
Yes	1										1						322	2	39	37	21	638
No	58	6	10	35	60	16	28	1	2	648	60	10	60	28	2	648	13641	10	62	23	5	647
<b>Economically disadvantaged</b>																						
Yes	29	1	3	16	55	11	38	1	3	645	31	3	55	39	3	644	5617	4	54	33	9	643
No	30	5	17	19	63	6	20	0	0	651	30	17	63	20	0	651	8346	13	66	17	3	650
<b>Migrant</b>																						
Yes	0										0						4					
No	59	6	10	35	59	17	29	1	2	648	61	10	59	30	2	648	13959	9	61	24	6	647
<b>Gender</b>																						
Female	29	4	14	19	66	5	17	1	3	650	29	14	66	17	3	650	6743	13	63	20	4	649
Male	30	2	7	16	53	12	40	0	0	646	32	6	53	41	0	645	7220	6	60	27	7	645
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						1408	4	41	43	12	641
No	59	6	10	35	59	17	29	1	2	648	61	10	59	30	2	648	12555	10	64	21	5	648
<b>Gifted/talented program</b>																						
Yes	0										0						636	39	59	2	0	659
No	59	6	10	35	59	17	29	1	2	648	61	10	59	30	2	648	13327	8	61	25	6	647

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 6  
SAU: Old Orchard Beach School Dept  
School: Loranger Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	3	0	0	1	50	0	0	1	50	638	3	0	50	0	50	638	6	5	47	32	16	642
B. less than one hour	66	3	8	23	59	13	33	0	0	647	67	7	59	34	0	646	59	9	62	24	5	647
C. one to two hours	27	2	13	11	69	3	19	0	0	652	26	13	69	19	0	652	32	11	64	21	4	648
D. more than two hours	3	1	50	0	0	1	50	0	0	651	3	50	0	50	0	651	3	10	50	26	13	644
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	36	5	24	11	52	5	24	0	0	651	36	23	50	27	0	650	31	17	66	14	3	651
B. good	56	1	3	23	70	8	24	1	3	647	54	3	70	24	3	647	48	8	64	23	5	647
C. fair	8	0	0	1	20	4	80	0	0	639	10	0	33	67	0	640	18	2	48	40	10	641
D. poor	0										0						2	1	34	47	18	638
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	32	2	11	14	74	3	16	0	0	652	31	11	74	16	0	652	38	13	65	18	3	650
B. They match some of what I have learned.	56	4	12	18	55	10	30	1	3	647	54	12	55	30	3	647	49	8	63	24	5	647
C. They match just a little of what I have learned.	12	0	0	3	43	4	57	0	0	641	15	0	44	56	0	640	10	5	48	36	11	642
D. There is no match.	0										0						3	3	35	38	24	639
<b>How difficult was the reading part of this test?</b>																						
A. more difficult than my regular schoolwork	19	1	9	5	45	5	45	0	0	646	18	9	45	45	0	646	16	7	52	30	11	644
B. about the same as my regular schoolwork	69	4	10	27	66	9	22	1	2	649	70	9	65	23	2	648	66	10	64	22	4	648
C. easier than my regular schoolwork	12	1	14	3	43	3	43	0	0	647	11	14	43	43	0	647	17	11	61	22	5	648
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	10	0	0	2	33	4	67	0	0	640	11	0	43	57	0	641	10	2	39	42	17	639
B. Most of the passages were about the same as what I normally read.	76	4	9	28	62	12	27	1	2	648	75	9	61	28	2	648	55	6	62	27	5	646
C. Most of the passages were easier than what I normally read.	14	2	25	5	63	1	13	0	0	654	13	25	63	13	0	654	35	16	67	14	3	651
<b>How hard did you try on the reading part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	56	3	9	23	70	6	18	1	3	649	56	9	71	18	3	649	48	10	60	24	6	647
B. I tried about the same as I do on my regular schoolwork.	44	3	12	12	46	11	42	0	0	646	44	11	44	44	0	646	49	10	63	22	5	648
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						3	3	53	29	15	642
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	20	3	25	8	67	1	8	0	0	654	20	25	67	8	0	654	23	15	65	16	4	650
B. 20 minutes to an hour	59	3	9	23	66	9	26	0	0	649	61	8	65	27	0	648	49	10	64	22	4	648
C. less than 20 minutes	8	0	0	3	60	2	40	0	0	644	8	0	60	40	0	644	11	6	58	29	7	645
D. I rarely read at home.	12	0	0	1	14	5	71	1	14	636	11	0	14	71	14	636	17	2	51	36	11	642
<b>Optional school/SAU question</b>																						
A.	100	0	0	1	17	4	67	1	17	635	100	0	17	67	17	635						
B.	0										0											
C.	0										0											
D.	0										0											

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 6  
SAU: Old Orchard Beach School Dept  
School: Loranger Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 662–680)	2006-2007	14	16	14	16	2092	15
	2007-2008	2	3	2	3	1474	10
	<b>2008-2009</b>	<b>7</b>	<b>12</b>	<b>7</b>	<b>11</b>	<b>1807</b>	<b>13</b>
	Cum. Total*	23	11	23	10	5373	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 642–660)	2006-2007	43	50	43	50	5731	40
	2007-2008	31	43	31	43	6008	43
	<b>2008-2009</b>	<b>29</b>	<b>48</b>	<b>30</b>	<b>48</b>	<b>5662</b>	<b>41</b>
	Cum. Total*	103	47	104	47	17401	41
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 628–640)	2006-2007	22	26	22	26	4175	29
	2007-2008	30	42	30	42	4244	30
	<b>2008-2009</b>	<b>16</b>	<b>27</b>	<b>16</b>	<b>26</b>	<b>4219</b>	<b>30</b>
	Cum. Total*	68	31	68	31	12638	30
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 600–626)	2006-2007	7	8	7	8	2308	16
	2007-2008	9	13	9	13	2346	17
	<b>2008-2009</b>	<b>8</b>	<b>13</b>	<b>9</b>	<b>15</b>	<b>2290</b>	<b>16</b>
	Cum. Total*	24	11	25	11	6944	16

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	30.4	54.3	30.3	54.1	30.6	54.6
<b>A. Number</b>	<b>18</b>	<b>32</b>	11.1	61.7	11.0	61.1	10.3	57.2
<b>B. Data</b>	<b>12</b>	<b>21</b>	6.5	54.2	6.4	53.3	6.6	55.0
<b>C. Geometry</b>	<b>14</b>	<b>25</b>	7.0	50.0	7.0	50.0	7.3	52.1
<b>D. Algebra</b>	<b>12</b>	<b>21</b>	5.9	49.2	5.9	49.2	6.5	54.2

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 6  
 SAU: Old Orchard Beach School Dept  
 School: Loranger Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	60	7	12	29	48	16	27	8	13	643	62	11	48	26	15	643	13978	13	41	30	16	643
<b>Ethnicity</b>																						
African American/Black	0										0						406	4	26	36	34	633
American Indian or Native Alaskan	1										1						126	4	29	40	28	635
Asian or Pacific Islander	0										0						208	18	47	23	12	647
Hispanic	2										2						175	5	31	41	23	638
Caucasian/White	57	7	12	27	47	15	26	8	14	643	59	12	47	25	15	643	13063	13	41	30	16	643
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	9	0	0	3	33	2	22	4	44	631	11	0	36	18	45	632	2248	3	18	33	46	629
No	51	7	14	26	51	14	27	4	8	645	51	14	51	27	8	645	11730	15	45	30	11	646
<b>Current LEP</b>																						
Yes	1										1						331	3	22	35	40	631
No	59	7	12	29	49	15	25	8	14	643	61	11	49	25	15	643	13647	13	41	30	16	643
<b>Economically disadvantaged</b>																						
Yes	29	1	3	14	48	8	28	6	21	640	31	3	48	26	23	640	5620	6	33	37	25	637
No	31	6	19	15	48	8	26	2	6	645	31	19	48	26	6	645	8358	18	45	26	11	647
<b>Migrant</b>																						
Yes	0										0						4					
No	60	7	12	29	48	16	27	8	13	643	62	11	48	26	15	643	13974	13	41	30	16	643
<b>Gender</b>																						
Female	29	3	10	13	45	10	34	3	10	642	29	10	45	34	10	642	6738	12	40	32	16	642
Male	31	4	13	16	52	6	19	5	16	643	33	12	52	18	18	643	7240	14	41	29	16	644
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						1410	3	24	41	32	634
No	60	7	12	29	48	16	27	8	13	643	62	11	48	26	15	643	12568	14	42	29	15	644
<b>Gifted/talented program</b>																						
Yes	0										0						637	65	32	3	0	665
No	60	7	12	29	48	16	27	8	13	643	62	11	48	26	15	643	13341	10	41	31	17	642

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 6  
SAU: Old Orchard Beach School Dept  
School: Loranger Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	3	0	0	1	50	0	0	1	50	626	3	0	50	0	50	626	6	7	32	28	32	636
B. less than one hour	67	5	13	20	50	11	28	4	10	643	68	12	50	26	12	643	59	13	41	30	16	643
C. one to two hours	27	2	13	7	44	4	25	3	19	645	26	13	44	25	19	645	32	14	41	31	14	644
D. more than two hours	3	0	0	1	50	1	50	0	0	636	3	0	50	50	0	636	3	11	31	33	26	639
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	20	3	25	6	50	1	8	2	17	648	21	23	54	8	15	648	30	27	45	18	9	651
B. good	58	4	11	18	51	8	23	5	14	643	58	11	50	22	17	643	46	9	45	31	15	643
C. fair	18	0	0	5	45	5	45	1	9	639	18	0	45	45	9	639	20	2	29	43	26	635
D. poor	3	0	0	0	0	2	100	0	0	631	3	0	0	100	0	631	4	1	15	46	38	630
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	42	4	16	14	56	6	24	1	4	647	42	15	58	23	4	647	35	18	42	27	13	646
B. They match some of what I have learned.	45	3	11	14	52	7	26	3	11	644	44	11	52	26	11	644	50	11	43	31	15	643
C. They match just a little of what I have learned.	13	0	0	1	13	3	38	4	50	626	15	0	11	33	56	626	13	8	31	36	26	638
D. There is no match.	0										0						3	5	16	27	51	628
<b>How difficult was the mathematics part of this test?</b>																						
A. more difficult than my regular schoolwork	37	1	5	9	41	6	27	6	27	637	36	5	41	27	27	637	32	7	40	34	20	640
B. about the same as my regular schoolwork	59	5	14	19	54	9	26	2	6	645	61	14	54	24	8	645	56	13	42	30	15	644
C. easier than my regular schoolwork	3	1	50	1	50	0	0	0	0	661	3	50	50	0	0	661	12	31	36	20	13	650
<b>How hard did you try on the mathematics part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	62	5	14	17	46	11	30	4	11	644	60	14	46	30	11	644	51	11	41	31	16	643
B. I tried about the same as I do on my regular schoolwork.	38	2	9	12	52	5	22	4	17	642	40	8	52	20	20	641	45	15	41	29	16	644
C. I did not try as hard on this test as I do on my regular schoolwork.	0										0						4	12	28	32	28	638
<b>On average, how many minutes a day do you spend working on mathematics in class?</b>																						
A. less than 30 minutes	3	0	0	2	100	0	0	0	0	643	3	0	100	0	0	643	6	8	29	29	34	635
B. 30–45 minutes	43	0	0	11	42	9	35	6	23	638	45	0	43	32	25	638	33	10	37	34	19	641
C. 45–60 minutes	52	6	19	16	52	7	23	2	6	646	50	19	52	23	6	646	45	15	44	29	12	645
D. more than 60 minutes	2	1	100	0	0	0	0	0	0	666	2	100	0	0	0	666	16	15	41	28	16	644
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	2	0	0	0	0	0	0	1	100	604	2	0	0	0	100	604	9	14	35	29	22	641
B. two or three days a week	18	0	0	5	45	2	18	4	36	635	18	0	45	18	36	635	26	15	40	30	16	644
C. two or three times each month	45	3	11	12	44	11	41	1	4	643	44	11	44	41	4	643	31	13	43	30	14	644
D. never or almost never	35	4	19	12	57	3	14	2	10	649	37	17	57	13	13	648	34	11	40	31	18	642
<b>How often do you use hands-on materials in mathematics class?</b>																						
A. almost every day	12	1	14	2	29	1	14	3	43	636	12	14	29	14	43	636	17	8	35	33	24	639
B. two or three days a week	28	1	6	7	44	7	44	1	6	642	27	6	44	44	6	642	28	13	42	30	15	643
C. two or three times each month	45	4	15	14	54	5	19	3	12	645	45	15	56	19	11	645	31	15	43	30	13	645
D. never or almost never	16	1	11	5	56	3	33	0	0	644	17	10	50	30	10	642	23	14	39	30	17	643
<b>Optional school/SAU question</b>																						
A.	100	0	0	0	0	2	33	4	67	622	100	0	0	33	67	622						
B.	0										0											
C.	0										0											
D.	0										0											

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